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OIPE

## RAW SEQUENCE LISTING

DATE: 01/17/2002

PATENT APPLICATION: US/09/937,521

TIME: 07:26:55

Input Set : A:\1422-0493P.st25.txt

Output Set: N:\CRF3\01172002\I937521.raw

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5 <120> TITLE OF INVENTION: Ceramidase Gene  
7 <130> FILE REFERENCE: 1422-0493P  
9 <140> CURRENT APPLICATION NUMBER: 09/937,521  
10 <141> CURRENT FILING DATE: 2001-09-26  
12 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01802  
13 <151> PRIOR FILING DATE: 2000-03-24  
15 <150> PRIOR APPLICATION NUMBER: JP 11-84743  
16 <151> PRIOR FILING DATE: 1999-03-26  
18 <160> NUMBER OF SEQ ID NOS: 18  
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94 <220> FEATURE:
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141 <400> SEQUENCE: 7
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194 gcaccgagct gggcctgctg gagaccggag accagcggcc cgcccgcccg cccgctgcga 180

196 gcctcctgag cagctccgga acagcttact ttctgtttcc atctctttcg gaccgggttg 240

198 gcctctccaa aagccacttc tcttaactct tatcaagggt caaaggctaa aggtctgtac 300

200 acatgagtgc tgggtgtgctt agaggcatcg ggtccctttc agctggagtt gcagtacttg 360

202 tgagtgccat ggaatccaaa ttoggcaaga gatacaatct aaactctcaa ctactccaga 420

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206 agtagatttg gaaacacatt gagaaatcag cctgagcaac ctgcaaggca caaggcacia 540

208 gattctgcat gggtattttg tctcccagga ggtgaacact tgttttgatt cacagagtca 600

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212 tctaagctgg tattaagtag aatgggctta aagtccacta caggaaacaa cagctagtga 720

214 cagaaatggc aaagcgaacc ttctccacct tggaggcatt cctcattttc cttctggtta 780

216 taatgacagt catcacagt gccctttctc cctcttgtt tgttaccagt gggaccattg 840

218 aaaaccacaa agattcagga aatcactggt ttcaaccac tctgggctcc acgacaacc 900

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222 acattggcgt tgggagagcg gattgcacag gacaagtgtc agatatcaat ttgatgggct 1020

224 atggcaaaaa tggccagaat gcacggggtc tctcaccag gctgttcagc cgtgctttta 1080

226 tcttggcgga tccagatggg tcaaategaa tggcatttgt gagcgtggaa ctatgtatga 1140

228 ttcccaacg actgaggttg gaggtcctga agagactaga gagtaaataat ggctctctgt 1200

230 atcgaagaga caatgttatc ctgagtgcc ttcacacaca ctctggccca gcagggtttt 1260

232 tccaatatac actctatata ctgccagcg agggattcag caaccggacc tttcagtaca 1320

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238 ttctgaatcc acagtcagag agagcaaggt attcttcaaa cacagacaag gaaatgctgg 1500
240 tcttgaaact ggtggatttg aatggagaag acttgggtct tctcagctgg ttgccatcc 1560
242 acccogtgag catgaacaat agcaaccact ttgtgaatag tgacaatatg ggctatgcgg 1620
244 cttacctttt tgagcaagaa aagaacaaag gctatctgcc tggacaggga ccgtttgtag 1680
246 caggctttgc ttcatacaat ctgggagacg tgcaccccaa cattcttggc ccgcattgtg 1740
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252 tcatctatca gaaggccaag gagctgtatg cctctgcctc ccaggagggt accggcccag 1920
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307 cctccaatta cacagactcc aaacttccct tcatctcgga acttcagtgg ctactacatt 240
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319 tatacactct atatactgc cagcggaggg ttcagcaacc ggacctttca gtacatagtc 600
321 tctgggatca tgaagagcat tgatatagct cacacaaatc ttaaaccagg caaaatcttt 660
323 atcaacaaa gaaatgttgc taatgtgcag atcaaccgaa gcccctctc ttacctctg 720
325 aatccacagt cagagagagc aaggtattct tcaaacacag acaaggaaat gctggcttgg 780
327 aaactggtgg atttgaatgg agaagacttg ggtcttatca gctggtttgc catccacccc 840

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Input Set : A:\1422-0493P.st25.txt

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333 tttgcttcat caaatctcgg agacgtgtca cccaacattc ttggcccgca ttgtgtcaac 1020
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383 &lt;400&gt; SEQUENCE: 13

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390 20 25 30
393 Val Thr Ser Gly Thr Ile Glu Asn His Lys Asp Ser Gly Asn His Trp
394 35 40 45
397 Phe Ser Thr Thr Leu Gly Ser Thr Thr Thr Gln Pro Pro Pro Ile Thr
398 50 55 60
401 Gln Thr Pro Asn Phe Pro Ser Phe Arg Asn Phe Ser Gly Tyr Tyr Ile
402 65 70 75 80
405 Gly Val Gly Arg Ala Asp Cys Thr Gly Gln Val Ser Asp Ile Asn Leu
406 85 90 95
409 Met Gly Tyr Gly Lys Asn Gly Gln Asn Ala Arg Gly Leu Leu Thr Arg
410 100 105 110
413 Leu Phe Ser Arg Ala Phe Ile Leu Ala Asp Pro Asp Gly Ser Asn Arg
414 115 120 125
417 Met Ala Phe Val Ser Val Glu Leu Cys Met Ile Ser Gln Arg Leu Arg
418 130 135 140
421 Leu Glu Val Leu Lys Arg Leu Glu Ser Lys Tyr Gly Ser Leu Tyr Arg
422 145 150 155 160

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## VERIFICATION SUMMARY

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L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5